

# EFCE Spotlight Talks

## Working Parties on Mixing and Process Intensification

18 May

09:20 • 11:40  
am  
CET

### Intensification of mixing and multiphase contacting in continuous flow equipment



*Process intensification is a technological strategy based on innovative process and equipment design that results in substantial benefits in industrial manufacturing processes, including reduced energy consumption, higher product quality, fewer wastes and improved safety. It typically deploys novel continuous flow equipment and/or methods that result in more compact and efficient processes. Process intensifying equipment includes devices that significantly improve the efficiency of mixing, mass and heat transfer. A wide variety of process-intensifying equipment has been developed over the past 20 years, demonstrating considerable enhancement of mixing, mass and heat transfer processes.*

*This webinar aims at presenting selected types of continuous flow devices and how they can intensify mixing and multiphase contacting for mass transfer and chemical reaction.*

#### PROGRAM

- 09:20      **Welcome and introduction**  
Tom Van Gerven, Chair WP Process Intensification  
Joelle Aubin, Chair WP Mixing
- 09:30      **High-gravity high shear for intensified chemicals production**  
John van der Schaaf, Eindhoven University of Technology – The Netherlands
- 10:00      **Overcoming mixing limitations in microreactors using acoustic streaming**  
Simon Kuhn, KU Leuven - Belgium
- 10:30      **Oscillatory flows in mesoscale reactors for low Reynolds number applications**  
Jonathan McDonough, University of Newcastle - UK
- 11:00      **Intensifying mixing for CO<sub>2</sub> capture using the NetMIX technology**  
José Carlos Lopes, CoLAB Net4CO<sub>2</sub>- Portugal
- 11:30      **Conclusions and closing**  
Tom Van Gerven, Chair WP Process Intensification  
Joelle Aubin, Chair WP Mixing

[Registration and Payment](#)

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